# Tetra Tech EM Inc.



200 E. Randolph Drive, Suite 4700 ◆ Chicago, IL 60601 ◆ (312) 856-8700 ◆ FAX (312) 938-0118

US EPA RECORDS CENTER REGION 5
429491

#### Anita -

Enclosed are the preliminary analytical results for the surface water samples collected from the lagoon at the Gary Development Landfill site. I have also included some basic info about each sample's location.

The only compounds detected were metals; those detected appear to be low level concentrations. While sodium does appear to be elevated, it is likely not a concern at the site.

Once the hard copy data are received and validated, they will be incorporated into the site assessment report. Please give me a call with any questions you may have.

#### Thanks

Brad 312.946.6464

SAMPLE ID	DEPTH (below water surface)	LOCATION
GD-SW-0203-01	2 to 3 feet	Southwest corner, in area where drums are thought to be submerged
GD-SW-0203-01D	2 to 3 feet	Duplicate sample of GD-SW-0203-01
GD-SW-0405-02	4 to 5 feet	South shore, ½ way across lagoon. Near crushed poly drum
GD-SW-1213-03	12 to 13 feet	East of submerged excavator
GD-SW-0809-04	8 to 9 feet	Northwest corner, near boat put-in

Project: Gary Development Landfill

200 E. Randolph Suite 4700

Project Number: N/A

Reported:

Chicago IL, 60601

Project Manager: Lisa Graczyk

05/21/02 08:54

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GD-SW-0203-01	B205134-01	Water	05/09/02 14:40	05/10/02 09:39
GD-SW-0203-01D	B205134-02	Water	05/09/02 13:40	05/10/02 09:39
GD-SW-0405-02	B205134-03	Water	05/09/02 15:05	05/10/02 09:39
GD-SW-1213-03	B205134-04	Water	05/09/02 15:30	05/10/02 09:39
GD-SW-0809-04	B205134-05	Water	05/09/02 16:00	05/10/02 09:39
Trip Blank - TBI/TB2	B205134-06	Water	05/09/02 00:00	05/10/02 09:39

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

200 E. Randolph Suite 4700 Chicago IL, 60601

Project Manager: Lisa Graczyk

Project Number: N/A

**Reported:** 05/21/02 08:54

## Total Metals by EPA 6000/7000 Series Methods

## **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01 (B205134-01) Water	Sampled: 05/0	9/02 14:40 I	Received:	05/10/02 0	9:39				
Mercury	0.000368	0.000200	mg/l	1	2050271	05/15/02	05/15/02	EPA 7470A	
Aluminum	ND	0.500	H	H	2050233	05/13/02	05/16/02	EPA 6010B	
Antimony	ND	0.100	11	11	u	n	u u		
Arsenic	ND	0.0500	"	11	u	H	tt	11	
Barium	ND	0.500		u	н	u	11	tt	
Beryllium	ND	0.0100	u	U	н	ij	u u	**	
Cadmium	ND	0.00500	u	Ü	11	u	u	11	
Calcium	39.3	5.50	u	11	"	n	u	Ħ	
Chromium	0.0112	0.0100	"	1	11	"	II.	rt .	
Cobalt	ND	0.0500	"	**	n	11	n	H	
Copper	0.0998	0.0500	Ħ	Ħ	n	*1	0	11	
Iron	0.260	0.100	**	n	11	11	u	0	
Magnesium	108	5.50	н	11	п	11	ħ	11	
Manganese	0.0752	0.0500	n	1	n	ŧI.	U	n	
Nickel	ND	0.0500	4	**	н	*1	0	11	
Potassium	135	5.50	"	11	11	n	**	**	
Selenium	ND	0.0500	u	1	"	u	u	u	
Silver	ND	0.0500	n	0	"	"	u u	ii .	
Sodium	794	25.5	u	51	"	"	н	**	Q
Thallium	ND	0.100	u	1	**		H	"	
Vanadium	ND	0.0450	u	u	H		n	rt .	
Zinc	ND	0.500	u	u	н	u	n	"	
Lead	0.00938	0.00500	u	u	n	II.	05/15/02	EPA 7421	
GD-SW-0203-01D (B205134-02) Water	r Sampled: 05	/09/02 13:40	Receive	d: 05/10/02	09:39				
Mercury	ND	0.000200	mg/l	1	2050271	05/15/02	05/15/02	EPA 7470A	
Aluminum	ND	0.500	n	Ħ	2050233	05/13/02	05/16/02	EPA 6010B	
Antimony	ND	0.100	н	n	"	n	u	n .	
Arsenic	ND	0.0500	п	11	"	**	u	n	
Barium	ND	0.500	Ü	11	"	u u	n n	II .	
Beryllium	ND	0.0100	"	u	н	"	n	Ħ	
Cadmium	ND	0.00500	n	"	**	"	**	u	
Calcium	39.2	5.50	"	11	"	**	#	н	
Chromium	0.0121	0.0100	11	1	17	"	***	и	
Cobalt	ND	0.0500	u	u	"	u	"	U	
Copper	0.0717	0.0500	"	U	**	U	"	11	
Iron	0.253	0.100	"	n	40	"	н	11	
Magnesium	107	5.50	11	11	n	n	Ħ	"	
Manganese	0.0741	0.0500	11	1	11	11	u	**	
Manganese	0.0741	0.0500		1					

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson, Project Manager

Project: Gary Development Landfill

200 E. Randolph Suite 4700

Project Number: N/A

Reported:

Project Manager: Lisa Graczyk Chicago IL, 60601

05/21/02 08:54

## Total Metals by EPA 6000/7000 Series Methods

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01D (B205134-02) Water	Sampled: 05/	09/02 13:40	Received	1: 05/10/02	09:39				
Potassium	132	5.50	mg/l	11	2050233	05/13/02	05/16/02	EPA 6010B	
Selenium	ND	0.0500	u	1	"	**	"	u	
Silver	ND	0.0500	11	11	17	**	"	11	
Sodium	787	25.5	ti	51	u	n	11	H	QC
Thallium	ND	0.100	**	1	u	н	(1	H .	
Vanadium	ND	0.0450	Ħ	**	II .	"	11	11	
Zinc	ND	0.500	н	н	u u	11	11	U	
Lead	0.00647	0.00500	н	11	U	"	05/15/02	EPA 7421	
GD-SW-0405-02 (B205134-03) Water	Sampled: 05/0	9/02 15:05 I	Received:	05/10/02 0	9:39				
Mercury	ND	0.000200	mg/l	1	2050271	05/15/02	05/15/02	EPA 7470A	
Aluminum	ND	0.500	"	**	2050233	05/13/02	05/16/02	EPA 6010B	
Antimony	ND	0.100	11	11	11	11	tt.	11	
Arsenic	ND	0.0500	**	"	11	11	rt	11	
Barium	ND	0.500	**	**	11	n	11	Ħ	
Beryllium	ND	0.0100	0	11	H	"	11	**	
Cadmium	ND	0.00500	0	(I	**		u	ŧt.	
Calcium	39.2	5.50	"	11	**	0	"	· ·	
Chromium	0.0129	0.0100	11	i	*1	11	rt	н	
Cobalt	ND	0.0500	н	n	u u	H	11	#f	
Copper	ND	0.0500	*1	н	u	Ħ	11	n	
Iron	0.258	0.100	11	11	**	tt	11	u	
Magnesium	107	5.50	u	11	"	n	ŧ1	н	
Manganese	0.0713	0.0500	"	1	**		u	Ħ	
Nickel	ND	0.0500	11	11	11	11	ıt	u	
Potassium	134	5.50	11	11	u	11	**	0	
Selenium	ND	0.0500	**	1	II .	***	ii.	**	
Silver	ND	0.0500	u	"	**	u	11	11	
Sodium	784	25.5	11	51	**	11	n	n	QC
Thallium	ND	0.100	"	1	U	"	n	n	
Vanadium	ND	0.0450	11	н	III	**	ţ1	n	
Zinc	ND	0.500	"	н	11	u	"	II .	
Lead	ND	0.00500	0	u	**	u u	05/15/02	EPA 7421	

Great Lakes Analytical

Project: Gary Development Landfill

200 E. Randolph Suite 4700 Chicago IL, 60601

Project Number: N/A Project Manager: Lisa Graczyk Reported:

05/21/02 08:54

## Total Metals by EPA 6000/7000 Series Methods

## **Great Lakes Analytical**

	Dla	Reporting	I I i.e.	Dilada	Datah	D	Amalugad	Mathad	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-1213-03 (B205134-04) Water	Sampled: 05/09	9/02 15:30	Received:	: 05/10/02 0	9:39				
Mercury	ND	0.000200	mg/l	1	2050271	05/15/02	05/15/02	EPA 7470A	
Aluminum	ND	0.500	"	11	2050233	05/13/02	05/16/02	EPA 6010B	
Antimony	ND	0.100	"	11	"	**	ø	11	
Arsenic	ND	0.0500	"	11	"	11	11	Ħ	
Barium	ND	0.500	н	н	U	11	u	11	
Beryllium	ND	0.0100	**	"	u	11	н	u u	
Cadmium	ND	0.00500	11	n	U	11	11	u u	
Calcium	38.5	5.50	n	11	n	11	11	11	
Chromium	0.0119	0.0100	n	1	11	11	"	u	
Cobalt	ND	0.0500	н	"	ш	11	n	II .	
Copper	ND	0.0500	н	n	n .	**	rt	· ·	
Iron	0.339	0.100	н	n	u	n	n	u	
Magnesium	107	5.50	11	11	11	11	n	u	
Manganese	0.130	0.0500	H	1	II .	11	11	U	
Nickel	0.0581	0.0500	**	**	11	**	11	"	
Potassium	135	5.50	**	11	U	**	11	"	
Selenium	ND	0.0500	**	1	n	**	11	"	
Silver	ND	0.0500	11	11	11	#	u	11	
Sodium	793	25.5	71	51	"	n	ti.	"	QC
Thallium	ND	0.100	a	i	н	н	U	11	`
Vanadium	ND	0.0450	0	u	n	u	11	"	
Zinc	ND	0.500		0	**	11	ri	11	
Lead	ND	0.00500	"	ų	**	"	05/15/02	EPA 7421	
GD-SW-0809-04 (B205134-05) Water	Sampled: 05/0	9/02 16:00	Received	: 05/10/02 0	9:39				
Mercury	ND	0.000200	mg/l	1	2050271	05/15/02	05/15/02	EPA 7470A	
Aluminum	ND	0.500	"	1	2050271	05/13/02	05/16/02	EPA 6010B	
Antimony	ND	0.100	a	ш	11	03/13/02	03/10/02	" "	
Arsenic	ND	0.0500		u	11	u	11	11	
Barium	ND	0.500	11	"	(I	11	·	u	
Beryllium	ND	0.0100	**	11	u	11	,,	U	
Cadmium	ND	0.00500	"	н	н	*1	,,	11	
Calcium	39.2	5.50	u	11	"	u	u	11	
Chromium	0.0104	0.0100	11	1	**	"		11	
Cobalt	ND	0.0500	и	1 11	U	n	,,	n	
Copper	ND	0.0500	11	**	11	п	**	Ħ	
Iron	0.323	0.100		u	"	u .	ti	и	
Magnesium	108	5.50	п	11	"	"	o		
Manganese	0.0788	0.0500	**	1	u	"	и	"	
Nickel	ND	0.0500	*1	1 11	11	**	"	H	
	1,10	0.0500							

Great Lakes Analytical

200 E. Randolph Suite 4700

Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A

Project Manager: Lisa Graczyk

**Reported:** 05/21/02 08:54

### Total Metals by EPA 6000/7000 Series Methods

## **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
GD-SW-0809-04 (B205134-05) Water Sampled: 05/09/02 16:00 Received: 05/10/02 09:39											
Potassium	135	5.50	mg/l	11	2050233	05/13/02	05/16/02	EPA 6010B			
Selenium	ND	0.0500	**	1	н	u	"	n			
Silver	ND	0.0500		u	11	11	11	**			
Sodium	788	25.5	**	51	**	U	11	"	QC		
Thallium	ND	0.100	u	1	"	II	u	**			
Vanadium	ND	0.0450	0	11	11	n	u	н			
Zinc	ND	0.500	u	u	Ħ	u		u			
Lead	ND	0.00500	U	u	"	"	05/15/02	EPA 7421			

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

200 E. Randolph Suite 4700 Chicago IL, 60601

Project Number: N/A Project Manager: Lisa Graczyk Reported: 05/21/02 08:54

# **Volatile Organic Compounds by EPA Method 8260B**

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01 (B205134-01) Water	Sampled: 05/0	9/02 14:40	Received	05/10/02 0	9:39				QQ
Acetone	ND	10.0	ug/l	1	2050228	05/13/02	05/13/02	5030B/8260B	
Benzene	ND	2.00	n	11	11	n	n	n	
Bromodichloromethane	ND	2.00	**	"	ш	11	11	H	
Bromoform	ND	2.00	н	11	(1	11	11	n	
Bromomethane	ND	2.00	11	n	**	n	u	и	
2-Butanone	ND	10.0	н	"	U	**	"	11	
Carbon disulfide	ND	2.00	Ħ	"	11	11	11	**	
Carbon tetrachloride	ND	2.00	"	"	н	"	"	п	
Chlorobenzene	ND	2.00	u	11	H	**	· ·	u	
Chlorodibromomethane	ND	2.00		u	**	U	"	U	
Chloroethane	ND	2.00	п	u	e	II.	n	u	
Chloroform	ND	2.00	17	11	11	H	n	n	
Chloromethane	ND	2.00	11	н	0	**	11	"	
1.1-Dichloroethane	ND	2.00		11	11	н	11	n	
1,2-Dichloroethane	ND	2.00		u	*	"	(1	и	
1,1-Dichloroethene	ND	2.00		0	11	n	ø	u	
cis-1,2-Dichloroethene	ND	2.00		"	**		"	**	
trans-1,2-Dichloroethene	ND	2.00		**	u	19	11	"	
1,2-Dichloropropane	ND	2.00		Ħ	11	**	ø	u	
1,3-Dichloropropene (cis + trans)	ND	2.00		u	#		u u	u	
Ethylbenzene	ND	2.00		*	11	H	11	н	
2-Hexanone	ND	10.0		н		*1	11	"	
Methylene chloride	ND	2.00			"		u.	II.	
4-Methyl-2-pentanone	ND	10.0		,,	**	"	"	n	
Styrene	ND	2.00		11	11	Ħ	н	**	
1,1,2,2-Tetrachloroethane	ND	2.00		11	11	"	11	"	
Tetrachloroethene	ND	2.00		0	**	u	(I	u	
Toluene	ND ND	2.00		"	"	"	n	н	
1,1,1-Trichloroethane	ND	2.00		11	11	**	11	**	
1,1,2-Trichloroethane	ND	2.00			**	u	ŧI	u	
Trichloroethene	ND	2.00		"	"	**	11	н	
Trichlorofluoromethane	ND	2.00		11	"	н	n	11	
Vinyl acetate	ND	2.00		U	**	n	11	н	
Vinyl chloride	ND	2.00		н		"	11	u ·	
Total Xylenes	ND	4.00		u	**	u	ŋ	"	
Surrogate: Dibromofluoromethane		101 %		3-118				"	
Surrogate: 1,2-Dichloroethane-d4		91.0 %		2-116 2-121	"	"	"	"	
Surrogate: Toluene-d8		100 %		2-121 3-110	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %		2-110 2-110	"	"	,,	,,	

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

Project Number: N/A

Reported:

Chicago IL, 60601

Project Manager: Lisa Graczyk

05/21/02 08:54

# Volatile Organic Compounds by EPA Method 8260B

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01D (B205134-02) Water	Sampled: 05/	09/02 13:40	Receive	Received: 05/10/02 09:39					
Acetone	ND	10.0	ug/l	1		05/13/02	05/13/02	5030B/8260B	
Benzene	ND	2.00	н	"	u	11	11	"	
Bromodichloromethane	ND	2.00	н	"	"	н	ıı	H	
Bromoform	ND	2.00	и	н	"	Ħ	"	II.	
Bromomethane	ND	2.00	"	**	"	**	u	"	
2-Butanone	ND	10.0	"	н	"	**	U	u	
Carbon disulfide	ND	2.00	"	11	n	11	U	и	
Carbon tetrachloride	ND	2.00	"	"	II.	11	"	U	
Chlorobenzene	ND	2.00	u	u	**	"	н	II	
Chlorodibromomethane	ND	2.00	Ü	q	n	u	11	11	
Chloroethane	ND	2.00	11	"	"	U	ti	Ħ	
Chloroform	ND	2.00	"	n	u	n	11	U	
Chloromethane	ND	2.00	н	H	u u	**	11	U	
1,1-Dichloroethane	ND	2.00	u	11	"	"	U	II.	
1,2-Dichloroethane	ND	2.00	u	u	11	"	o o	n	
1,1-Dichloroethene	ND	2.00		ч	**	•	0	н	
cis-1,2-Dichloroethene	ND	2.00	0	"	11	*	n	11	
trans-1,2-Dichloroethene	ND	2.00	11	n	w	n	n	n	
1,2-Dichloropropane	ND	2.00	11	"	11	11	"	U	
1,3-Dichloropropene (cis + trans)	ND	2.00	11	"	H	*1	u	11	
Ethylbenzene	ND	2.00		0	**	11	11	"	
2-Hexanone	ND	10.0	"	"	Ħ	n	"	*1	
Methylene chloride	ND	2.00		"	u	**	11	ш	
4-Methyl-2-pentanone	ND	10.0	11	11	n	u	u	u u	
Styrene	ND	2.00	u	u	11	ij	n	n	
1,1,2,2-Tetrachloroethane	ND	2.00	**	n	u	**	11	11	
Tetrachloroethene	ND	2.00	11	11	11	u	11	11	
Toluene	ND	2.00	u	u	11	ij	u	n	
1,1,1-Trichloroethane	ND	2.00	11	n	u	H	u	n	
1,1,2-Trichloroethane	ND	2.00	10	н	11	**	н	II.	
Trichloroethene	ND	2.00		u	H	u	u	**	
Trichlorofluoromethane	ND	2.00	11	n	u	"	ų	"	
Vinyl acetate	ND	2.00	11	n	11	**	n	11	
Vinyl chloride	ND	2.00	u	"	**	U	11	n .	
Total Xylenes	ND	4.00	11	н	u	ıı	**	n	
Surrogate: Dibromofluoromethane		105 %	87	3-118	"		"	"	
Surrogate: 1,2-Dichloroethane-d4		90.0 %		2-121	"	"	"	"	
Surrogate: Toluene-d8		99.2 %		3-110	"	,,	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %		2-110 2-110	"	"	"	"	

Great Lakes Analytical

Project: Gary Development Landfill

Project Number: N/A Project Manager: Lisa Graczyk **Reported:** 05/21/02 08:54

Volatile Organic Compounds by EPA Method 8260B

**Great Lakes Analytical** 

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0405-02 (B205134-03) Water	Sampled: 05/09	9/02 15:05	Received	: 05/10/02 0	9:39				QC
Acetone	ND	10.0	ug/l	1	2050228	05/13/02	05/13/02	5030B/8260B	
Benzene	ND	2.00	II .	u	#	u	11	u	
Bromodichloromethane	ND	2.00	U	U	н	II .	H	11	
Bromoform	ND	2.00	"	"	**	u	11	n	
Bromomethane	ND	2.00	0	U	**	u	n	. н	
2-Butanone	ND	10.0	"	11	**	u	11	Ħ	
Carbon disulfide	ND	2.00	11	"	"	а	11	u	
Carbon tetrachloride	ND	2.00	**	"	u	17	11	u	
Chlorobenzene	ND	2.00	**	н	U	If	tt.	H	
Chlorodibromomethane	ND	2.00		rı .	n	tt	U	11	
Chloroethane	ND	2.00		a a	"	u	"	n	
Chloroform	ND	2.00		ų	п	U	H	u	
Chloromethane	ND	2.00		n	Œ	17	n	n .	
1.1-Dichloroethane	ND	2.00		11	"	*	11	u	
1,2-Dichloroethane	ND	2.00		н	11	**	11	н	
1,1-Dichloroethene	ND	2.00		11	n	**	u	**	
cis-1,2-Dichloroethene	ND	2.00		U	11	u	II.	n	
trans-1,2-Dichloroethene	ND	2.00		11	u		и	"	
1,2-Dichloropropane	ND	2.00		n	"	н	u	11	
1,3-Dichloropropene (cis + trans)	ND	2.00		ü	n	tı	u	и	
Ethylbenzene (eta mana)	ND	2.00		n	н	"	н	"	
2-Hexanone	ND	10.0		ıt	u	11	н	**	
Methylene chloride	ND	2.00		11	,,	н	u	"	
4-Methyl-2-pentanone	ND	10.0		U	**	u	11	u	
Styrene	ND	2.00		n	"	"	н	11	
1,1,2,2-Tetrachloroethane	ND	2.00		п	"	**	**	"	
Tetrachloroethene	ND ND	2.00		11	n	"		H	
Toluene	ND	2.00			"	"	и	II.	
1,1,1-Trichloroethane	ND	2.00		15	11	**	11	11	
1,1,2-Trichloroethane	ND	2.00		11	**		u	11	
Trichloroethene	ND	2.00		"	u	,,	**	u	
Trichlorofluoromethane	ND	2.00		71	н	11	.,	11	
Vinyl acetate	ND	2.00		u	**		11	u	
Vinyl chloride	ND ND	2.00		11	11	H	u	11	
Total Xylenes	ND	4.00		ři.	**	ŧı	n	**	
Surrogate: Dibromofluoromethane		106 %		3-118		"			
Surrogate: 1,2-Dichloroethane-d4		89.2 %		3-118 2-121	"	,,	"	"	
Surrogate: 1,2-Dictioroethane-u4 Surrogate: Toluene-d8		09.2 % 101 %		2-121 3-110	,,	"	"	 ,,	
Surrogate: 10tuene-uo Surrogate: 4-Bromofluorobenzene		95.4 %		3-110 2-110	"	,,	"	"	

Great Lakes Analytical

Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A

Project Manager: Lisa Graczyk

**Reported:** 05/21/02 08:54

## Volatile Organic Compounds by EPA Method 8260B

#### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-1213-03 (B205134-04) Water		Sampled: 05/09/02 15:30 Received: 05/10/02 09:39							
Acetone	ND	10.0	ug/l	1	2050228	05/13/02	05/13/02	5030B/8260B	
Benzene	ND	2.00	**	"	11	11	u	n	
Bromodichloromethane	ND	2.00	N.	**	n	"	u	п	
Bromoform	ND	2.00	u	11	"	u	u u	u	
Bromomethane	ND	2.00	"	u	**	ij	n	u	
2-Butanone	ND	10.0	n		11	"	H	ij	
Carbon disulfide	ND	2.00	н	"	u	n	Ħ	n .	
Carbon tetrachloride	ND	2.00	н	Ħ	u	"	и	H	
Chlorobenzene	ND	2.00	0	п	n	(I	u	11	
Chlorodibromomethane	ND	2.00	"	u	11	n n	"	"	
Chloroethane	ND	2.00	**	"	11	n	u	u	
Chloroform	ND	2.00	"	**	U	**	"	"	
Chloromethane	ND	2.00	u	u	11	ti .	**	n	
1,1-Dichloroethane	ND	2.00	n	n	n	n	11	13	
1,2-Dichloroethane	ND	2.00	"	"	U	**	n	Ħ	
1,1-Dichloroethene	ND	2.00	**	11	"	"	n	u	
cis-1,2-Dichloroethene	ND	2.00	U	u	Ħ	"	u	n	
trans-1,2-Dichloroethene	ND	2.00	"	11	u	**		"	
1,2-Dichloropropane	ND	2.00	"	11	Ħ	n	11	u	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	u	**	U	a	η	
Ethylbenzene	ND	2.00	**	**	u	11	"	n	
2-Hexanone	ND	10.0	u	er er	Ħ	"	•	**	
Methylene chloride	ND	2.00	н	"	u	11		a	
4-Methyl-2-pentanone	ND	10.0	**	**	11	**	11	ц	
Styrene	ND	2.00	n	u	н	n .	11	11	
1,1,2,2-Tetrachloroethane	ND	2.00	11	n	u	n	n	11	
Tetrachloroethene	ND	2.00	u	11	**	u	**	11	
Toluene	ND	2.00	н	"	и	11	u	u	
1,1,1-Trichloroethane	ND	2.00	a	н	11	н	"	н	
1,1,2-Trichloroethane	ND	2.00	11	0	"	11	u	п	
Trichloroethene	ND	2.00	n	**	u	**	11	H	
Trichlorofluoromethane	ND	2.00	"	u	**	11	11	п	
Vinyl acetate	ND	2.00	"	n	v	11	n	u	
Vinyl chloride	ND	2.00	"	u	**	"	u u	н	
Total Xylenes	ND	4.00	n	H	n	**	**	u	
Surrogate: Dibromofluoromethane		106 %	87	3-118	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		88.2 %		2-121	"	"	"	"	
Surrogate: Toluene-d8		97.0 %		3-110	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %		2-110 2-110	"	"	"	"	
()		,,,,,,	02.	2 1 1 0					

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

Project Number: N/A Project Manager: Lisa Graczyk **Reported:** 05/21/02 08:54

## Volatile Organic Compounds by EPA Method 8260B

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0809-04 (B205134-05) Water	Sampled: 05/0	9/02 16:00 R	Received:	05/10/02 0	9:39				QC
Acetone	ND	10.0	ug/l	1	2050228	05/13/02	05/13/02	5030B/8260B	
Benzene	ND	2.00	Ħ	H	u	"	rt	"	
Bromodichloromethane	ND	2.00	"	**	п	**	u	u	
Bromoform	ND	2.00	"	"	11	"	u	ч	
Bromomethane	ND	2.00	n	"	11	n.	11	"	
2-Butanone	ND	10.0	H	"	(t	11	n	U	
Carbon disulfide	ND	2.00	u	н	U	11	"	n .	
Carbon tetrachloride	ND	2.00	u	11	"	u	rı .	**	
Chlorobenzene	ND	2.00	"	U	11		U	н	
Chlorodibromomethane	ND	2.00	tt	It	"	"	11	11	
Chloroethane	ND	2.00	h	n	n	11	11	n	
Chloroform	ND	2.00	u	11	n	11	**	u	
Chloromethane	ND	2.00	Ħ	"	ff.	"	11	H	
1,1-Dichloroethane	ND	2.00	**	Ħ	ø	11	n	u	
1,2-Dichloroethane	ND	2.00	U	u	11	н	ti.	**	
1,1-Dichloroethene	ND	2.00	H	"	11	u u	v	u	
cis-1,2-Dichloroethene	ND	2.00	11	n	n	**	11	n	
trans-1,2-Dichloroethene	ND	2.00		"	**		**	u	
1,2-Dichloropropane	ND	2.00	**	**	u	11	**	H	
1,3-Dichloropropene (cis + trans)	ND	2.00	**	11	U	11	rt .	n	
Ethylbenzene	ND	2.00	"	o o	*1	u	u	n.	
2-Hexanone	ND	10.0	11	п	ti.	"	ıt	H	
Methylene chloride	ND	2.00		11	11	Ħ	**	11	
4-Methyl-2-pentanone	ND	10.0	**	"	**	"	"	II.	
Styrene	ND	2.00	**	11	n	н	11	н	
1,1,2,2-Tetrachloroethane	ND	2.00		q	11	u	u	n	
Tetrachloroethene	ND	2.00	11	11	u u	**	**	n .	
Toluene	ND	2.00	0	u	н	u	**	11	
1,1,1-Trichloroethane	ND	2.00	**	n	u	11	11	n .	
1,1,2-Trichloroethane	ND	2.00	n	u	"	u	ų	11	
Trichloroethene	ND	2.00	11	н	ų	**	"	n .	
Trichlorofluoromethane	ND	2.00	w	u	**	"		**	
Vinyl acetate	ND	2.00	**	"		*	"	н	
Vinyl chloride	ND	2.00	u	11	"	u	"	**	
Total Xylenes	ND	4.00	11	11	"	H	11	u	
Surrogate: Dibromofluoromethane	<del></del>	107 %	R7	3-118	,,	"		"	
Surrogate: 1,2-Dichloroethane-d4		89.4 %		2-110 2-121	,,	"	"	"	
Surrogate: Toluene-d8		96.2 %		3-110	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %		2-110 2-110	,,	"	,,	"	

Great Lakes Analytical

Project: Gary Development Landfill

Project Number: N/A
Project Manager: Lisa Graczyk

**Reported:** 05/21/02 08:54

# Volatile Organic Compounds by EPA Method 8260B

#### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank - TBI/TB2 (B205134-06) Water	Sampled	05/09/02 00:0	00 Rec	eived: 05/1	0/02 09:39				QC
Acetone	ND	10.0	ug/l	1	2050228	05/13/02	05/13/02	5030B/8260B	
Benzene	ND	2.00	**	n	u	ır	H	#	
Bromodichloromethane	ND	2.00	u	n	II .	**	ш	n	
Bromoform	ND	2.00	n	U	11	u	U	"	
Bromomethane	ND	2.00	**	"	ч	11	11	u	
2-Butanone	ND	10.0	u	11	n	f1	0	n	
Carbon disulfide	ND	2.00	**	"	**	ti ti	n n	**	
Carbon tetrachloride	ND	2.00	н	**	u	11	rt	u	
Chlorobenzene	ND	2.00	"	u	11	11	,,	"	
Chlorodibromomethane	ND	2.00	"	"	Ħ	n	"	u	
Chloroethane	ND	2.00	11	**	u	rf	Ħ	**	
Chloroform	ND	2.00	u u	"	11	11	tt.	n .	
Chloromethane	ND	2.00	н	"	**	u.	ır	n	
1,1-Dichloroethane	ND	2.00	u	н	11	rt	"	U	
1,2-Dichloroethane	ND	2.00	n	u	"	ø	n n	n	
1,1-Dichloroethene	ND	2.00	**	H		**	**	α	
cis-1,2-Dichloroethene	ND	2.00	"	u u	11	u	U	11	
trans-1,2-Dichloroethene	ND	2.00	**	"		11	ır	11	
1,2-Dichloropropane	ND	2.00		u	*	et e	tt	п	
1,3-Dichloropropene (cis + trans)	ND	2.00	11	**	u	rt	н	n	
Ethylbenzene (ets trans)	ND	2.00		u	11	ti	u	11	
2-Hexanone	ND	10.0	**	"	u	**	ч	"	
Methylene chloride	ND	2.00		u	"	u	u	11	
4-Methyl-2-pentanone	ND	10.0	н	и	u u	**	ıf	ti	
Styrene	ND	2.00			,,	"	u	11	
1,1,2,2-Tetrachloroethane	ND	2.00	u	н	u	**	,,	ri	
Tetrachloroethene	ND	2.00		"	"	"	u	11	
Toluene	ND	2.00			**		**	u	
1,1,1-Trichloroethane	ND	2.00	**	**	ш	**	u	**	
1,1,2-Trichloroethane	ND	2.00	н	"	**	.,	n	11	
Trichloroethene	ND	2.00	"		"	11	u	н	
Trichlorofluoromethane	ND	2.00	**	"	u	n	"	n	
Vinyl acetate	ND ND	2.00	"	,,	**	u	"	n .	
Vinyl acctate Vinyl chloride	ND ND	2.00		11	"	**		u	
Total Xylenes	ND ND	4.00	н	"	"	"	**	11	
Surrogate: Dibromofluoromethane		101 %		3-118					
Surrogate: 1,2-Dichloroethane-d4		94.0 %		3-110 2-121	,,	"	,,	"	
Surrogate: Toluene-d8		98.2 %		2-121 3-110	"	"	"	,,	
Surrogate: 4-Bromofluorobenzene		92.4 %		2-110 2-110	"	,,	,,	,,	

Great Lakes Analytical

200 E. Randolph Suite 4700 Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A

Project Manager: Lisa Graczyk

Reported: 05/21/02 08:54

### Polychlorinated Biphenyls by EPA Method 8082

#### **Great Lakes Analytical**

			ancs A		<u> </u>				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01 (B205134-01) Water	Sampled: 05/09	9/02 14:40 R	Received: (	05/10/02 0	9:39				
PCB-1016	ND	0.500	ug/l	i	2050263	05/14/02	05/17/02	EPA 8082	
PCB-1221	ND	0.500	H	"	u	"	**	er er	
PCB-1232	ND	0.500	"	н	"	11	"	п	
PCB-1242	ND	0.500	u	11	"	11	u	,,	
PCB-1248	ND	0.500	n	"	**	"	"	*	
PCB-1254	ND	0.500	11	н	IJ	**	n	"	
PCB-1260	ND	0.500	o o	11	n	u	tt	11	
Surrogate: Tetrachloro-meta-xylene		47.1 %	10-1	110	"	"	"	"	
Surrogate: Decachlorobiphenyl		28.4 %	10-1	114	"	"	"	"	
GD-SW-0203-01D (B205134-02) Wate	r Sampled: 05/	/09/02 13:40	Received	: 05/10/02	09:39				
PCB-1016	ND	0.500	ug/l	1	2050263	05/14/02	05/17/02	EPA 8082	
PCB-1221	ND	0.500	u	"	11	11	ii	**	
PCB-1232	ND	0.500	H	"	11	U	U	u	
PCB-1242	ND	0.500	п	Ħ	n	It	11	U	
PCB-1248	ND	0.500	"	"	11	U	"	**	
PCB-1254	ND	0.500	n	,,	U	Ħ	ıı	H	
PCB-1260	ND _	0.500	"		H .	11	H	н	
Surrogate: Tetrachloro-meta-xylene		44.3 %	10-1	110	"	"	"	"	
Surrogate: Decachlorobiphenyl		20.3 %	10-1	114	"	"	"	"	
GD-SW-0405-02 (B205134-03) Water	Sampled: 05/0	9/02 15:05 F	Received: (	05/10/02 0	9:39				
PCB-1016	ND	0.500	ug/1	l	2050263	05/14/02	05/17/02	EPA 8082	
PCB-1221	ND	0.500	u	n	н	**	и	U	
PCB-1232	ND	0.500	H	n	u	н	u	**	
PCB-1242	ND	0.500	u	u	н	a	н	u	
PCB-1248	ND	0.500	н	11	u	11	"	u	
PCB-1254	ND	0.500	**	n	11	n	u	H	
PCB-1260	ND	0.500	н	"	(1	11		U	
Surrogate: Tetrachloro-meta-xylene		39.4 %	10-1	110	"	"	"	<i>n</i>	
Surrogate: Decachlorobiphenyl		44.5 %	10-1	114	"	"	"	"	

Great Lakes Analytical

Andy Jahman

200 E. Randolph Suite 4700 Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A

Project Manager: Lisa Graczyk

**Reported:** 05/21/02 08:54

## Polychlorinated Biphenyls by EPA Method 8082

## **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-1213-03 (B205134-04) Water	Sampled: 05/09	9/02 15:30 R	Received:	05/10/02 0	9:39				
PCB-1016	ND	0.500	ug/l	1	2050263	05/14/02	05/17/02	EPA 8082	
PCB-1221	ND	0.500	"	u	"	"	н	11	
PCB-1232	ND	0.500	**	u	**	ч	11	W.	
PCB-1242	ND	0.500	"	11	"	н	11	tt.	
PCB-1248	ND	0.500	Ħ	ıı	u	n	n	tt.	
PCB-1254	ND	0.500	"	11	n	11	II .	u	
PCB-1260	ND	0.500	"	II.	н	u	"		
Surrogate: Tetrachloro-meta-xylene		33.4 %	10	110	"	"	"	"	
Surrogate: Decachlorobiphenyl		27.8 %	10-	114	"	"	"	"	
GD-SW-0809-04 (B205134-05) Water	Sampled: 05/0	9/02 16:00 F	Received:	05/10/02 0	9:39				
PCB-1016	ND	0.500	ug/l	1	2050263	05/14/02	05/17/02	EPA 8082	
PCB-1221	ND	0.500	n	11	11	11	11	n	
PCB-1232	ND	0.500	u	11	11	n	11	**	
PCB-1242	ND	0.500	n	u	11	U	u	n	
PCB-1248	ND	0.500	11	"	u	"	u	u	
PCB-1254	ND	0.500	a	11	"	н	"	n	
PCB-1260	_ ND _	0.500	"	- 11	"				
		43.3 %	10-	110	- "	"	"	"	
Surrogate: Tetrachloro-meta-xylene		43.3 70	10-	110					

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

200 E. Randolph Suite 4700 Chicago IL, 60601

Project Number: N/A
Project Manager: Lisa Graczyk

**Reported:** 05/21/02 08:54

### Semivolatile Organic Compounds by EPA Method 8270C

#### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01 (B205134-01) Water	Sampled: 05/09	9/02 14:40 1	Received:	05/10/02 0	9:39				QQ
Acenaphthene	ND	2.00	ug/l	1	2050219	05/13/02	05/17/02	EPA 8270C	
Acenaphthylene	ND	2.00	11	**	11	11	"	"	
Aniline	ND	2.00	"	"	H	n	"	н	
Anthracene	ND	2.00	U	(I	"	u	"	"	
Benzoic acid	ND	10.0	и	и	tt	u	**	н	
Benz (a) anthracene	ND	2.00	**	"	11	"	17	"	
Benzo (a) pyrene	ND	2.00	н	Ħ	u	11	Ħ	"	
Benzo (b) fluoranthene	ND	2.00	11	н	II .	**	"	11	
Benzo (ghi) perylene	ND	2.00	0		If	u	u	11	
Benzo (k) fluoranthene	ND	2.00	"	u u	11	n n	"	u u	
Benzyl alcohol	ND	2.00	11	н	n	"	n	n	
Bis(2-chloroethoxy)methane	ND	2.00	н	н	II.	11	n	"	
Bis(2-chloroethyl)ether	ND	2.00	u	"	11	u	11	и	
Bis(2-chloroisopropyl)ether	ND	2.00		o o	**	u	u	n	
Bis(2-ethylhexyl)phthalate	ND	10.0	11	**	u	rt	n	н	
4-Bromophenyl phenyl ether	ND	2.00	(I	*1	11	n	**	n	
Butyl benzyl phthalate	ND	2.00	**	1)	n	n	w	11	
4-Chloroaniline	ND	2.00	11	11	u	11	11	u	
4-Chloro-3-methylphenol	ND	2.00	11	11	n	**	u	H	
2-Chloronaphthalene	ND	2.00	11	U	н	.,	n	"	
2-Chlorophenol	ND	2.00	11	"	u	**	"	n .	
4-Chlorophenyl phenyl ether	ND	2.00	u	11	"	a	11	**	
Chrysene	ND	2.00	11	n	n	11	"	u	
Dibenz (a,h) anthracene	ND	2.00	ft.	H	"	**	**	н	
Dibenzofuran	ND	2.00	0	ø	**	U	n	**	
1,2-Dichlorobenzene	ND	2.00	11	н	u	11	н		
1,3-Dichlorobenzene	ND	2.00		11	11	11	u	**	
1,4-Dichlorobenzene	ND	2.00	"		"	11	H	n	
3,3'-Dichlorobenzidine	ND	10.0	u	н	11	Ħ	п	н	
2,4-Dichlorophenol	ND	2.00	n	u	11	u	11	ш	
Diethyl phthalate	ND	2.00	n	H	u	н	п	н	
2,4-Dimethylphenol	ND	2.00	11	ıı	**	u	и	и	
Dimethyl phthalate	ND	2.00	**	IT	u	*	п	11	
Di-n-butyl phthalate	ND	10.0	u		*		11	ш	
4,6-Dinitro-2-methylphenol	ND	10.0	**	11		н	ā	11	
2,4-Dinitrophenol	ND	10.0	ų	u	,,	"	"	"	
2,4-Dinitrotoluene	ND	2.00	н	н	u	**	**	ıı.	
2,6-Dinitrotoluene	ND ND	2.00	11	0	**	u .	n	"	
Di-n-octyl phthalate	ND ND	2.00	"	lt		*	n		
Fluoranthene	ND ND	2.00	"	U	**		"	,,	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson, Project Manager

Project: Gary Development Landfill

200 E. Randolph Suite 4700 Chicago IL, 60601

Project Number: N/A Project Manager: Lisa Graczyk **Reported:** 05/21/02 08:54

## Semivolatile Organic Compounds by EPA Method 8270C

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01 (B205134-01) Water	Sampled: 05/09	0/02 14:40 R	Received:	05/10/02 0	9:39				QC
Fluorene	ND	2.00	ug/l	1	2050219	05/13/02	05/17/02	EPA 8270C	
Hexachlorobenzene	ND	2.00	Ħ	11	u	"	11	н	
Hexachlorobutadiene	ND	2.00		**	II .	**	11	n	
Hexachlorocyclopentadiene	ND	2.00	u	"	11	**	Ħ	u u	
Hexachloroethane	ND	2.00	"	u	11	u	U	n	
Indeno (1,2,3-cd) pyrene	ND	2.00	n	n	n	11	"	n .	
Isophorone	ND	2.00	н	11	n	n .	"	11	
2-Methylnaphthalene	ND	2.00	11	"	U	11	"	n	
o-Cresol	ND	2.00	a	"	D	н	11	**	
m,p-Cresols	ND	2.00	"	u	**	u	U	u	
Naphthalene	ND	2.00	11	u	"	u	0	n	
2-Nitroaniline	ND	10.0	"	"	**	"	11	**	
3-Nitroaniline	ND	10.0	11	11	n.	Ħ	11	n	
4-Nitroaniline	ND	10.0	u	u	H	tt	**	H	
Nitrobenzene	ND	2.00	"	n n	n	u u	0	**	
2-Nitrophenol	ND	2.00	n	11	u	11	tt	n	
4-Nitrophenol	ND	10.0	u	u	**	**	tt	**	
N-Nitrosodi-n-propylamine	ND	2.00	"	u u	**	u u	u	11	
N-Nitrosodiphenylamine	ND	2.00	11	11	u	H	n	u	
Pentachlorophenol	ND	10.0	11	11	11	III	11	"	
Phenanthrene	ND	2.00	11	n	11	n	n	u	
Phenol	ND	2.00	11	н	u	H	11	"	
Pyrene	ND	2.00	u	u	n	н	u	**	
1,2,4-Trichlorobenzene	ND	2.00	11	"	п	"	н	11	
2,4,5-Trichlorophenol	ND	10.0	u	11	11	**	н	п	
2,4,6-Trichlorophenol	ND	2.00	ท	v	n	n	n	n	
Surrogate: 2-Fluorophenol		%	10-	-110	"	"	"	"	
Surrogate: Phenol-d6		%	10-	-110	"	n	"	"	
Surrogate: Nitrobenzene-d5		%	31.4	<i>1-110</i>	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		0.0599 %	29.	1-110	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		%	10-	-110	"	"	"	"	
Surrogate: p-Terphenvl-d14		0.0599 %	10-	-121	"	"	"	"	

Great Lakes Analytical

Andy Johnson

Chicago IL, 60601

200 E. Randolph Suite 4700

Project: Gary Development Landfill

Project Number: N/A

Project Manager: Lisa Graczyk

Reported: 05/21/02 08:54

## Semivolatile Organic Compounds by EPA Method 8270C

## **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01D (B205134-02) Water	Sampled: 05/	/09/02 13:40	Receive	d: 05/10/02	09:39				QC,O
Acenaphthene	ND	2.00	ug/l	ι	2050219		05/17/02	EPA 8270C	
Acenaphthylene	ND	2.00	**	**	"	Ħ	44	"	
Aniline	ND	2.00	**	11	u	"	**	u	
Anthracene	ND	2.00	"	"	н	tt	0	"	
Benzoic acid	ND	10.0	"	"	"	11	u	"	
Benz (a) anthracene	ND	2.00	"	II.	ıı	u	U	"	
Benzo (a) pyrene	ND	2.00	п	"	71	"	n	u u	
Benzo (b) fluoranthene	ND	2.00	Ħ	"	u	11	"	*	
Benzo (ghi) perylene	ND	2.00	"	9	u	11	n	"	
Benzo (k) fluoranthene	ND	2.00	"	"	11	17	11	11	
Benzyl alcohol	ND	2.00	Ħ	11	11	11	"	u	
Bis(2-chloroethoxy)methane	ND	2.00	*	n	u	H	n	"	
Bis(2-chloroethyl)ether	ND	2.00	u	11	0	н	H	"	
Bis(2-chloroisopropyl)ether	ND	2.00	"	u	11	0	11	"	
Bis(2-ethylhexyl)phthalate	ND	10.0	H	n	ti	U	"	**	
4-Bromophenyl phenyl ether	ND	2.00	"	H	u	н	u	U	
Butyl benzyl phthalate	ND	2.00	u	o o	11	"	11	11	
4-Chloroaniline	ND	2.00	11	0	**	u	п	u	
4-Chloro-3-methylphenol	ND	2.00	11	н		"	11	"	
2-Chloronaphthalene	ND	2.00	u	п	11	**	11	u	
2-Chlorophenol	ND	2.00	"	"	ш	11	ų	**	
4-Chlorophenyl phenyl ether	ND	2.00	**	#1	"	**	n	**	
Chrysene	ND	2.00	u	11	11		11	**	
Dibenz (a,h) anthracene	ND	2.00	n	11	11	n	n .	**	
Dibenzofuran	ND	2.00	**	n	"	**	n	n	
1,2-Dichlorobenzene	ND	2.00	11	u	H	U	"	,,	
1,3-Dichlorobenzene	ND	2.00	#1	11		*	"	ıı	
1,4-Dichlorobenzene	ND	2.00	u	11	11	u	11	n	
3,3'-Dichlorobenzidine	ND	10.0	**	n n	u	11	ш	11	
2,4-Dichlorophenol	ND	2.00	a	tt	*	"	11	ti.	
Diethyl phthalate	ND	2.00	11		**	"	ü	ti.	
2,4-Dimethylphenol	ND	2.00	a	11	0	u	11	11	
Dimethyl phthalate	ND	2.00	11	u	**	"	u u	11	
Di-n-butyl phthalate	ND	10.0	u	H		н	"	,,	
4,6-Dinitro-2-methylphenol	ND	10.0	"	"	71	U	а	O.	
2,4-Dinitrophenol	ND	10.0	u	н	11	H	**	**	
2,4-Dinitrotoluene	ND	2.00	"	а	71	U	u	O.	
2,6-Dinitrotoluene	ND	2.00	"	H		11	"	**	
Di-n-octyl phthalate	ND	2.00	,,	"	**	11			
Fluoranthene	ND ND	2.00	u	n	11		"	н	

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

Project Number: N/A
Project Manager: Lisa Graczyk

**Reported:** 05/21/02 08:54

## Semivolatile Organic Compounds by EPA Method 8270C

## **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0203-01D (B205134-02) Water	Sampled: 05/	09/02 13:40	Receive	d: 05/10/02	09:39	-			QC,O2
Fluorene	ND	2.00	ug/l	ı	2050219	05/13/02	05/17/02	EPA 8270C	
Hexachlorobenzene	ND	2.00	"	11	11	11	*1	H	
Hexachlorobutadiene	ND	2.00	"	11	11	u	u	11	
Hexachlorocyclopentadiene	ND	2.00	"	"	**	ų	u	11	
Hexachloroethane	ND	2.00	**	"	u u	"	"	**	
Indeno (1,2,3-cd) pyrene	ND	2.00	41	н	n n	**	n	**	
Isophorone	ND	2.00	u	***	n	**	H	**	
2-Methylnaphthalene	ND	2.00	п	u	H	II.	11	11	
o-Cresol	ND	2.00	11	n	"	"	u	II.	
m,p-Cresols	ND	2.00	11	н		*1	n	11	
Naphthalene	ND	2.00		"	11	0	"	H	
2-Nitroaniline	ND	10.0	It	ш	**	ч	u	ч	
3-Nitroaniline	ND	10.0	n	H	u	**	"	**	
4-Nitroaniline	ND	10.0	u		"	**	u	n	
Nitrobenzene	ND	2.00	n	"	71	11	u	**	
2-Nitrophenol	ND	2.00	"	"	u	"	11	u	
4-Nitrophenol	ND	10.0	ti ti	11	H	"	н	"	
N-Nitrosodi-n-propylamine	ND	2.00	n	u	"	**	11	"	
N-Nitrosodiphenylamine	ND	2.00	**	**	u	"	"	U	
Pentachlorophenol	ND	10.0	41	16	11	n	11	"	
Phenanthrene	ND	2.00	n	"	**	11	u	1)	
Phenol	ND	2.00	**	н	U	**	н	"	
Pyrene	ND	2.00	**	"	**	U	U	u	
1,2,4-Trichlorobenzene	ND	2.00	11	н	11	It	"	п	
2,4,5-Trichlorophenol	ND	10.0	11	u	18	u	n	"	
2,4,6-Trichlorophenol	ND	2.00	**	**	u	и	*1	w	
Surrogate: 2-Fluorophenol		12.4 %	10	-110	"	"	"	"	
Surrogate: Phenol-d6		8.39 %	10	-110	n	"	"	"	
Surrogate: Nitrobenzene-d5		41.4 %	31.	4-110	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		46.5 %	29.	1-110	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		58.9 %	10	-110	"	"	"	"	
Surrogate: p-Terphenyl-d14		84.5 %	10	-121	"	"	"	"	

Great Lakes Analytical

Andy Jahnson

Project: Gary Development Landfill

200 E. Randolph Suite 4700 Chicago IL, 60601

Project Number: N/A Project Manager: Lisa Graczyk Reported: 05/21/02 08:54

## Semivolatile Organic Compounds by EPA Method 8270C

## **Great Lakes Analytical**

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0405-02 (B205134-03) Water	Sampled: 05/09/	02 15:05 I	Received:	05/10/02 0	9:39				QC
Acenaphthene	ND	2.00	ug/l	1	2050219	05/13/02	05/17/02	EPA 8270C	
Acenaphthylene	ND	2.00	a	и	11	Ħ	#	"	
Aniline	ND	2.00	"		**	u	ų	"	
Anthracene	ND	2.00	"	Ħ	11	It	11	n	
Benzoic acid	ND	10.0	11	u	11	u	n	u	
Benz (a) anthracene	ND	2.00	"	11	u	H	н	H	
Benzo (a) pyrene	ND	2.00	"	u	**	u	u u	п	
Benzo (b) fluoranthene	ND	2.00	"	m	u	**	H	n	
Benzo (ghi) perylene	ND	2.00	"	u	n	U	U	п	
Benzo (k) fluoranthene	ND	2.00	**	н	U	11	Ħ	"	
Benzyl alcohol	ND	2.00	"	u	11	u	ų	u	
Bis(2-chloroethoxy)methane	ND	2.00	"	н	u	**	Ħ	**	
Bis(2-chloroethyl)ether	ND	2.00	n	"	11	**	**	u	
Bis(2-chloroisopropyl)ether	ND	2.00	**	11	II .	17	"	11	
Bis(2-ethylhexyl)phthalate	ND	10.0	н	11	"	ıı .	u	II.	
4-Bromophenyl phenyl ether	ND	2.00	"	ш	и	**	**	u	
Butyl benzyl phthalate	ND	2.00	**	"	u	"	11	n	
4-Chloroaniline	ND	2.00	**	"	**	U	"	II.	
4-Chloro-3-methylphenol	ND	2.00	"	TT	n	11	11	"	
2-Chloronaphthalene	ND	2.00	н	n	п	11	11	п	
2-Chlorophenol	ND	2.00	"	"	"		n	**	
4-Chlorophenyl phenyl ether	ND	2.00		н	n	11	*	n	
Chrysene	ND	2.00	"	11	11		u	11	
Dibenz (a,h) anthracene	ND	2.00	11	u	11	u	11	n	
Dibenzofuran	ND	2.00	**	11	17	11	n	n	
1,2-Dichlorobenzene	ND	2.00	"	"	u.	"	"	**	
1,3-Dichlorobenzene	ND	2.00	"	u	**	u	11	**	
1,4-Dichlorobenzene	ND	2.00	u	11	11	*1	**	H	
3,3'-Dichlorobenzidine	ND	10.0	н	"	U	"	"	"	
2,4-Dichlorophenol	ND	2.00	n	1)	**	n	11	11	
Diethyl phthalate	ND	2.00	11	,,	"		u	u	
2,4-Dimethylphenol	ND	2.00	**	,,	11	**	**	н	
Dimethyl phthalate	ND	2.00	**		u	rt.	"	11	
Di-n-butyl phthalate	ND	10.0	"	u	**	U	"	n	
4,6-Dinitro-2-methylphenol	ND	10.0	"	**	"	ri .		u .	
2,4-Dinitrophenol	ND	10.0		"	u	11	11	*1	
2,4-Dinitrotoluene	ND	2.00	n	"	u	н	"		
2,6-Dinitrotoluene	ND ND	2.00	,,	"	11			" "	
Di-n-octyl phthalate	ND	2.00	"	п	"		"	**	
Fluoranthene	ND ND	2.00			 H	" "	"	**	
· recommend	ND	2.00			•	.,	"	**	

Great Lakes Analytical

Andy Johnson

Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A Project Manager: Lisa Graczyk **Reported:** 05/21/02 08:54

Samiyalatila Organia Compayada by FD

## Semivolatile Organic Compounds by EPA Method 8270C

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0405-02 (B205134-03) Water	Sampled: 05/09/	02 15:05 R	Received:	05/10/02 0	9:39				QC
Fluorene	ND	2.00	ug/l	l	2050219	05/13/02	05/17/02	EPA 8270C	
Hexachlorobenzene	ND	2.00	**	H	11	**	n	u	
Hexachlorobutadiene	ND	2.00	U	u u	n	u	**	11	
Hexachlorocyclopentadiene	ND	2.00	**	9	Ħ	n	11	11	
Hexachloroethane	ND	2.00	**	Ħ	u	**	**	n	
Indeno (1,2,3-cd) pyrene	ND	2.00		a	11	u	u	***	
Isophorone	ND	2.00	n	Ħ	u	n	11	11	
2-Methylnaphthalene	ND	2.00	11	11	11	**	11	11	
o-Cresol	ND	2.00	u	"	H	0	Ħ	**	
m,p-Cresols	ND	2.00	n	n	u	11	n	n	
Naphthalene	ND	2.00	u	11	11	n	"	Ħ	
2-Nitroaniline	ND	10.0	n	0	**	u	"	U	
3-Nitroaniline	ND	10.0	Ħ	н	u	H	11	ŧŧ	
4-Nitroaniline	ND	10.0	U	u	11	**	"	U	
Nitrobenzene	ND	2.00	н	"	u	п	U	n	
2-Nitrophenol	ND	2.00	u	11	"	**	H	n	
4-Nitrophenol	ND	10.0	H	u	**	U	u	n .	
N-Nitrosodi-n-propylamine	ND	2.00	u	"	n	**	**	H	
N-Nitrosodiphenylamine	ND	2.00	n	"	11	u	0	n	
Pentachlorophenol	ND	10.0	n	**	11	**	**	*	
Phenanthrene	ND	2.00	H	u	**	n	0	u	
Phenol	ND	2.00	а	**	"	**	**	"	
Pyrene	ND	2.00	n	0	n	"	"	**	
1,2,4-Trichlorobenzene	ND	2.00	u	11	"	Ħ	11	u	
2,4,5-Trichlorophenol	ND	10.0	n	u	n	11	"	н	
2,4,6-Trichlorophenol	ND	2.00	u	11	n	**	**	u	
Surrogate: 2-Fluorophenol		7.82 %	10-	110	"	"	"	"	
Surrogate: Phenol-d6		5.18 %	10-	-110	"	"	"	"	
Surrogate: Nitrobenzene-d5		31.8 %	31.4	<i>t-110</i>	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		31.7%	29.1	'-110	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		39.5 %	10-	110	"	"	"	"	
Surrogate: p-Terphenvl-d14		47.6 %	10-	121	"	"	n	"	

Great Lakes Analytical

Andy Johnson

Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A

Reported: 05/21/02 08:54

Project Manager: Lisa Graczyk

# Semivolatile Organic Compounds by EPA Method 8270C

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-1213-03 (B205134-04) Water	Sampled: 05/09/0	02 15:30 R	Received:	05/10/02 0	9:39				QC,02
Acenaphthene	ND	2.00	ug/l	l	2050219	05/13/02	05/17/02	EPA 8270C	
Acenaphthylene	ND	2.00	11	u	"	11	n	н	
Aniline	ND	2.00	**	11	u	**	11	"	
Anthracene	ND	2.00	u	11	"	**	11	11	
Benzoic acid	ND	10.0	11	"	**	11	U	u	
Benz (a) anthracene	ND	2.00	н	"	u	If	**	11	
Benzo (a) pyrene	ND	2.00	**	и	n n	11	н	11	
Benzo (b) fluoranthene	ND	2.00	n	"	"	ø	**	n	
Benzo (ghi) perylene	ND	2.00	"	n	Ħ	11	Ħ	"	
Benzo (k) fluoranthene	ND	2.00	11	11	ŋ	**	n	11	
Benzyl alcohol	ND	2.00	"		**	u	н	"	
Bis(2-chloroethoxy)methane	ND	2.00	н	"	"	11	**	n	
Bis(2-chloroethyl)ether	ND	2.00	ū	"	"	H	**	u	
Bis(2-chloroisopropyl)ether	ND	2.00	и	"	**	II.	"	**	
Bis(2-ethylhexyl)phthalate	ND	10.0	**	n	11	n	n	u	
4-Bromophenyl phenyl ether	ND	2.00	11	**	n	(I	**	11	
Butyl benzyl phthalate	ND	2.00	**	11	11	11	0	a	
4-Chloroaniline	ND	2.00	u	**	"	Ħ	"	11	
4-Chloro-3-methylphenol	ND	2.00	н	"	"	11	"	**	
2-Chloronaphthalene	ND	2.00	"	н	n	11	**	11	
2-Chlorophenol	ND	2.00	п	"	11	II.	11	"	
4-Chlorophenyl phenyl ether	ND	2.00	**	н	n n	1*	"	"	
Chrysene	ND	2.00	11		**	11	"	"	
Dibenz (a,h) anthracene	ND	2.00	u	**	u	**	**	U	
Dibenzofuran	ND	2.00	11	u	**	п		"	
1,2-Dichlorobenzene	ND	2.00	**	**	n	11	н	"	
1,3-Dichlorobenzene	ND	2.00	n	"	*1	11	11	ŋ	
1,4-Dichlorobenzene	ND	2.00	"	н	n n	et	Ħ	11	
3,3'-Dichlorobenzidine	ND	10.0	H	"	•	j†	1)	u	
2,4-Dichlorophenol	ND	2.00	u	11	"	rt	**	n	
Diethyl phthalate	ND	2.00	Ħ	11	11	n	n	u	
2,4-Dimethylphenol	ND	2.00	u	*1	H	ęt.	rı .	"	
Dimethyl phthalate	ND	2.00	n	17	u	11	H	n	
Di-n-butyl phthalate	ND	10.0	н	u	**	t)	ıı .	п	
4,6-Dinitro-2-methylphenol	ND	10.0	ш		ч	15	**	n	
2,4-Dinitrophenol	ND	10.0	**	п	**	ıt	u	u	
2,4-Dinitrotoluene	ND	2.00	17	"	11	tt.	п	n	
2,6-Dinitrotoluene	ND	2.00	**	н		1t	н	n	
Di-n-octyl phthalate	ND	2.00	H	"	*1	ıı	u	11	
Fluoranthene	ND	2.00	"	11	H	u	n	"	

Great Lakes Analytical

Andy Johnson

Chicago IL, 60601

Project: Gary Development Landfill

Project Number: N/A
Project Manager: Lisa Graczyk

Reported: 05/21/02 08:54

## Semivolatile Organic Compounds by EPA Method 8270C

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-1213-03 (B205134-04) Water	Sampled: 05/09	0/02 15:30 H	Received:	05/10/02 0	9:39				QC,O2
Fluorene	ND	2.00	ug/l	1	2050219	05/13/02	05/17/02	EPA 8270C	
Hexachlorobenzene	ND	2.00	н	u	н	If	Ħ	U	
Hexachlorobutadiene	ND	2.00	**	11	u	H	rr	"	
Hexachlorocyclopentadiene	ND	2.00	u	11	U	#	**	**	
Hexachloroethane	ND	2.00	0	11	"	U	u	11	
Indeno (1,2,3-cd) pyrene	ND	2.00	**	u	**	"	U	11	
Isophorone	ND	2.00	**	H	u	"	"	H	
2-Methylnaphthalene	ND	2.00	u	u	"	**	"	**	
o-Cresol	ND	2.00	11	U	11	U	n n	п	
m,p-Cresols	ND	2.00	Ħ	Ħ	u	If	rr ·	"	
Naphthalene	ND	2.00	u	U	11	**	Ħ	**	
2-Nitroaniline	ND	10.0	"	"	**	11	u	u	
3-Nitroaniline	ND	10.0	n	11	11	0	u	"	
4-Nitroaniline	ND	10.0	"	11	n	If	"	u	
Nitrobenzene	ND	2.00	"	u	11	u	n	u	
2-Nitrophenol	ND	2.00	"	n n	U	Ħ	*11	n	
4-Nitrophenol	ND	10.0	u	11	11	**	n	O .	
N-Nitrosodi-n-propylamine	ND	2.00	н	U	**	u	11	"	
N-Nitrosodiphenylamine	ND	2.00	11	н	u	11	n	n	
Pentachlorophenol	ND	10.0	"	"	11	"	11	**	
Phenanthrene	ND	2.00	"	11	u	u	u	и	
Phenol	ND	2.00	u	"	17	ęt	n	11	
Pyrene	ND	2.00	н	"	*1		"	п	
1,2,4-Trichlorobenzene	ND	2.00	11	н	u.	**	"	u	
2,4,5-Trichlorophenol	ND	10.0	ıı	u	tt	0	11	11	
2,4,6-Trichlorophenol	ND	2.00	**	н	U	Ħ	ıı	п	
Surrogate: 2-Fluorophenol		9.65 %	10	-110	"	"	"	"	
Surrogate: Phenol-d6		6.49 %	10	-110	"	"	"	n	
Surrogate: Nitrobenzene-d5		40.2 %	31.	4-110	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		36.2 %	29.	1-110	"	11	**	11	
Surrogate: 2,4,6-Tribromophenol		47.7 %	10	-110	"	"	"	"	
Surrogate: p-Terphenyl-d14		48.4 %	10	-121	"	"	"	"	

Great Lakes Analytical

Andy Johnson

Project: Gary Development Landfill

Project Number: N/A

Reported: 05/21/02 08:54

Project Manager: Lisa Graczyk

## Semivolatile Organic Compounds by EPA Method 8270C

#### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0809-04 (B205134-05) Water	Sampled: 05/09/	'02 16:00 F	Received:	05/10/02 0	9:39				QC,02
Acenaphthene	ND	2.00	ug/l	1	2050219	05/13/02	05/17/02	EPA 8270C	
Acenaphthylene	ND	2.00	"	"	n	U	u	Ħ	
Aniline	ND	2.00	"	"	u	11	н	U	
Anthracene	ND	2.00	u	II	н	(I	**	n n	
Benzoic acid	ND	10.0	n	"	**	11	"	11	
Benz (a) anthracene	ND	2.00	н	"	u	"	11	**	
Benzo (a) pyrene	ND	2.00	u	11	ij	н	n	**	
Benzo (b) fluoranthene	ND	2.00	n	· ·	"	n	11	11	
Benzo (ghi) perylene	ND	2.00	11	11	u .	**	u	ti.	
Benzo (k) fluoranthene	ND	2.00	u	u	"	н	11	11	
Benzyl alcohol	ND	2.00	11	D	Ħ	11	**	11	
Bis(2-chloroethoxy)methane	ND	2.00	11	н	11	**	q	II.	
Bis(2-chloroethyl)ether	ND	2.00	0	u	n	t)	11	**	
Bis(2-chloroisopropyl)ether	ND	2.00	**	**	u	H	tt.	H .	
Bis(2-ethylhexyl)phthalate	ND	10.0		u	n	11	11	u	
4-Bromophenyl phenyl ether	ND	2.00	"	"	"	11	11	11	
Butyl benzyl phthalate	ND	2.00	u	n	n	**	U	u	
4-Chloroaniline	ND	2.00	11	n	п	11	11	tt	
4-Chloro-3-methylphenol	ND	2.00	u	n	u	Ħ	"	"	
2-Chloronaphthalene	ND	2.00	n	"	**	ıt	**	u	
2-Chlorophenol	ND	2.00	11	н	u	și	u	**	
4-Chlorophenyl phenyl ether	ND	2.00	н	u	*1	H	"	n .	
Chrysene	ND	2.00	u	н	"	**	н	"	
Dibenz (a,h) anthracene	ND	2.00	н	"	п	If	u u	11	
Dibenzofuran	ND	2.00		11	"	u	11		
1,2-Dichlorobenzene	ND	2.00	**	"	u	11	"	**	
1,3-Dichlorobenzene	ND	2.00	"	и	11	u	н		
1.4-Dichlorobenzene	ND	2.00	**	н	u	11	u	н	
3,3'-Dichlorobenzidine	ND	10.0	11	11	**	ij	11	u	
2,4-Dichlorophenol	ND	2.00	u	н	n	H	11	n	
Diethyl phthalate	ND	2.00	н	"	u	19	**	n	
2,4-Dimethylphenol	ND	2.00	**	н	н	u	"	11	
Dimethyl phthalate	ND	2.00	11	"		11	"	1)	
Di-n-butyl phthalate	ND	10.0	"			"	u	u	
4,6-Dinitro-2-methylphenol	ND	10.0	"	u	n	u	**	11	
2,4-Dinitrophenol	ND	10.0	a	11		**	II.	H	
2,4-Dinitrotoluene	ND	2.00	"	n,	"	11	**	п	
2,6-Dinitrotoluene	ND	2.00	u	11	"	**	11	··	
Di-n-octyl phthalate	ND	2.00	11	**	u	"	"		
Fluoranthene	ND	2.00	**		**		u		

Great Lakes Analytical

Andy Jahman

Project: Gary Development Landfill

Project Number: N/A
Project Manager: Lisa Graczyk

Reported: 05/21/02 08:54

# Semivolatile Organic Compounds by EPA Method 8270C

### **Great Lakes Analytical**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GD-SW-0809-04 (B205134-05) Water	Sampled: 05/09	/02 16:00 R	teceived:	05/10/02 0	9:39				QC,02
Fluorene	ND	2.00	ug/l	1	2050219	05/13/02	05/17/02	EPA 8270C	
Hexachlorobenzene	ND	2.00	u	Ħ	н	Ħ	ti	11	
Hexachlorobutadiene	ND	2.00	v	**	H	**	ți	n	
Hexachlorocyclopentadiene	ND	2.00	n	u	"	u	u	m .	
Hexachloroethane	ND	2.00	"	u	H	u	II .	"	
Indeno (1,2,3-cd) pyrene	ND	2.00	н	u	ır	II .	II .	**	
Isophorone	ND	2.00	**	n	"	11	п	н	
2-Methylnaphthalene	ND	2.00	и	"	u	n	"	11	
o-Cresol	ND	2.00	n	H	n	11	H	n	
m,p-Cresols	ND	2.00	n	u	"	u	Ħ	**	
Naphthalene	ND	2.00	**	u	H	11	11	Ħ	
2-Nitroaniline	ND	10.0	Ħ	н	u	11	u	U	
3-Nitroaniline	ND	10.0	11	н	u	11	u	11	
4-Nitroaniline	ND	10.0	a a	Ħ	U	11	H	ti	
Nitrobenzene	ND	2.00	0	u	rt	"	n	11	
2-Nitrophenol	ND	2.00	11	11	н	U	11	H	
4-Nitrophenol	ND	10.0	n	н	U	PT	u	н	
N-Nitrosodi-n-propylamine	ND	2.00	11	11	H	Ħ	n .	a	
N-Nitrosodiphenylamine	ND	2.00	11	u	**	"	H	"	
Pentachlorophenol	ND	10.0	Ħ	"	0	11	u	**	
Phenanthrene	ND	2.00	"	н		11	"	n	
Phenol	ND	2.00	n	u	11	u	"	п	
Pyrene	ND	2.00	"	"	**	n	n	"	
1,2,4-Trichlorobenzene	ND	2.00	"	н	0	If	"	**	
2,4,5-Trichlorophenol	ND	10.0	"	"	11	*1	**	n.	
2,4,6-Trichlorophenol	ND	2.00	n	n	н	11	u	**	
Surrogate: 2-Fluorophenol		9.35 %	10-	-110	"	"	"	"	<u></u>
Surrogate: Phenol-d6		6.85 %		-110	"	"	"	"	
Surrogate: Nitrobenzene-d5		44.2 %		4-110	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		40.2 %		l-110	"	n	"	"	
Surrogate: 2,4,6-Tribromophenol		56.8 %	10-	-110	"	"	"	"	
Surrogate: p-Terphenyl-d14		70.8 %	10-	-121	"	"	"	"	

Great Lakes Analytical

Andy Johnson

Tetra Tech EMI - IL Project: Gary Development Landfill

200 E. Randolph Suite 4700 Project Number: N/A Reported:
Chicago IL, 60601 Project Manager: Lisa Graczyk 05/21/02 08:54

#### Notes and Definitions

One or more internal standard recoveries were below the method specified acceptance criteria.

QC The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source

method acceptance criteria.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Great Lakes Analytical

Andy Johnson